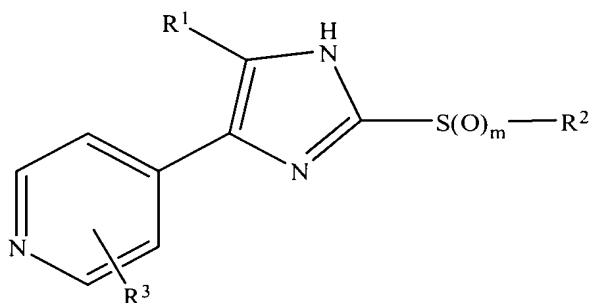


IN THE CLAIMS

Please amend the claims as follows:

Claims 1-15 (Canceled).

Claim 16 (Currently Amended): A 2-thio-substituted imidazole derivative compound  
of the formula I



wherein

$\text{R}^1$  is aryl which may or may not be substituted by a halogen atom;

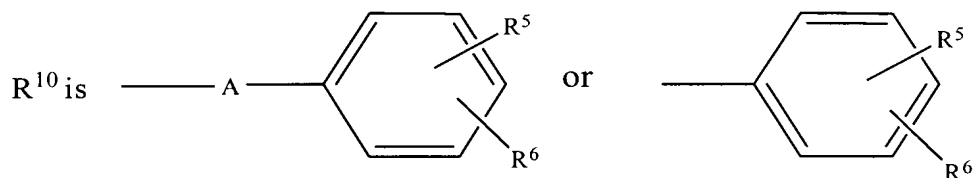
$\text{R}^2$  is selected from the group consisting of

- a) aryl- $\text{C}_1\text{--C}_4$ -alkyl, and
- b)  $\text{C}_1\text{--C}_6$ -alkyl;

$\text{R}^3$  is selected from the group consisting of

- a)  $\text{NR}^4\text{R}^{10}$
- b)  $\text{NR}^7\text{COR}^{10}$ , and
- c)  $\text{C}_1\text{--C}_6$ -alkoxy;

$\text{R}^4$  is H;



or, if  $\text{R}^3$  is  $\text{NR}^7\text{COR}^{10}$ ,  $\text{R}^{10}$  is  $\text{R}^8$ ,

$R^5$  and  $R^6$ , which may be identical or different, are H, halogen,  $C_1$ - $C_6$ -alkoxy or  $C_1$ - $C_6$ -alkyl;

$R^7$  is H,  $C_1$ - $C_6$ -alkyl or benzyl;

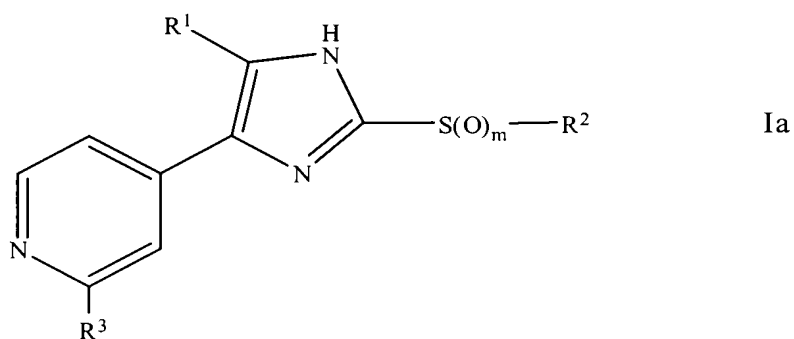
$R^8$  is  $C_1$ - $C_4$ -alkyl,  $C_3$ - $C_6$ -cycloalkyl or phenyl, where the phenyl group may have one or two substituents independently of one another selected from the group consisting of  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy and halogen;

A is straight-chain or branched  $C_1$ - $C_6$ -alkylene or  $C_2$ - $C_6$ -alkenylene and

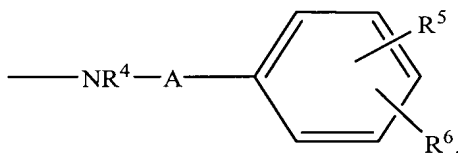
m is 0, 1 or 2;

or a tautomer, an optical isomer or a physiologically acceptable salt thereof.

Claim 17 (Previously Presented): The compound as claimed in claim 16, which has the formula Ia:



Claim 18 (Previously Presented): The compound as claimed in claim 16, wherein  $R^3$  is



Claim 19 (Previously Presented): The compound as claimed in claim 18, wherein A is C<sub>1</sub>-C<sub>2</sub>-alkylene.

Claim 20 (Previously Presented): The compound as claimed in claim 18, wherein A is ethylidene.

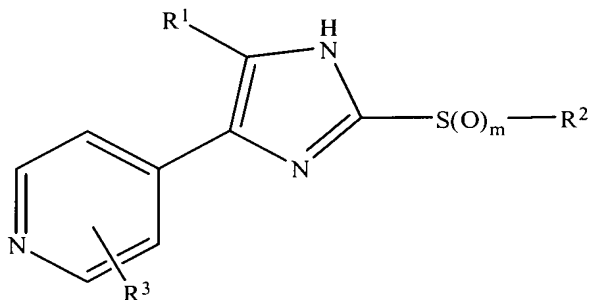
Claim 21 (Previously Presented): The compound as claimed in claim 18, wherein R<sup>5</sup> and R<sup>6</sup> are H.

Claim 22 (Previously Presented): The compound as claimed in claim 16, wherein R<sup>1</sup> is 4-fluorophenyl.

Claim 23 (Previously Presented): A pharmaceutical composition, comprising at least one compound as claimed in claim 16, and one or more pharmaceutically acceptable carriers and/or additives.

Claim 24 (Previously Presented): A method for treating inflammatory disorders in which TNF- $\alpha$  and IL- $\beta$  are involved which comprises administering to a person in need of such a treatment an amount of a compound as claimed in claim 16 sufficient to have anti-inflammatory action.

Claim 25 (Previously Presented): A 2-thio-substituted imidazole derivative compound of the formula I



wherein

$R^1$  is aryl which is substituted by a halogen atom or by halo- $C_1$ - $C_6$ -alkyl;

$R^2$  is selected from the group consisting of

- a) aryl- $C_1$ - $C_4$ -alkyl, and
- b)  $C_1$ - $C_6$ -alkyl;

$R^3$  is selected from the group consisting of

- a)  $NR^4R^{10}$ ,
- b)  $NR^7COR^{10}$ ,
- c)  $OR^{10}$ , and
- d)  $NH_2$ ;

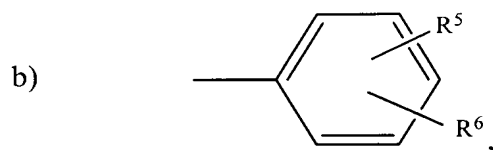
$R^4$  is H,  $-COR^{14}$ ,  $-CO_2R^{14}$ ,  $-CONH_2$ ,  $-CONHR^{14}$ ,  $-CHR^{16}-OR^{14}$ ,  $-CHR^{16}-O-COR^{14}$ ,  $-COC(R^{16})_2-OH$ ,  $-COR^{15}$ ,  $SO_2R^{15}$  or  $-SO_2R^{14}$ ,  $R^{14}$  is  $C_1$ - $C_6$ -alkyl or  $CF_3$ ,  $R^{15}$  is phenyl or tolyl, and  $R^{16}$  is H or  $C_1$ - $C_6$ -alkyl;

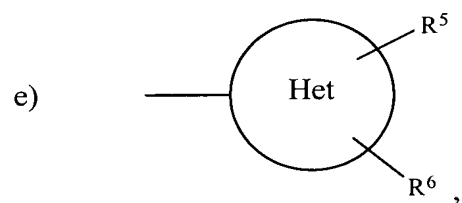
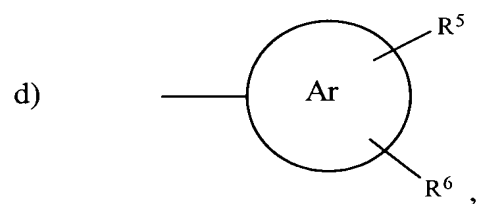
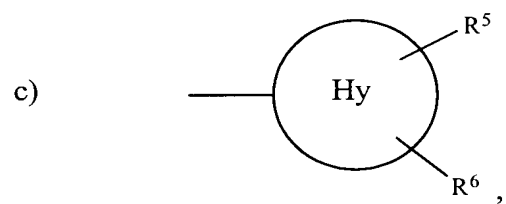
$R^5$  and  $R^6$ , which may be identical or different, are H, halogen,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -alkyl or halo- $C_1$ - $C_6$ -alkyl;

$R^7$  is H;

$R^{10}$  has one of the meanings below:

- a) A — B,





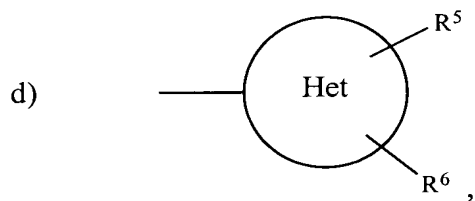
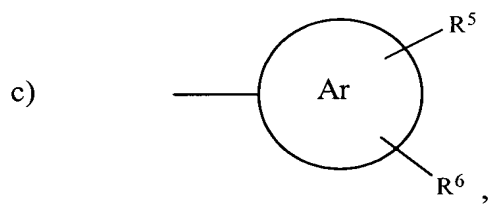
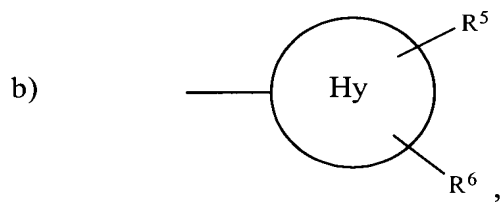
f) C<sub>1</sub>-C<sub>6</sub>-alkyl which is substituted by 2 phenyl groups, or

g) trifluoromethyl;

A is straight-chain or branched C<sub>1</sub>-C<sub>6</sub>-alkylene or C<sub>2</sub>-C<sub>6</sub>-alkenylene;

B is selected from the group consisting of

a) H,



e)  $\text{OC}_1\text{-C}_6\text{-alkyl}$ , and

f)  $\text{OH}$ ;

Hy is a 3- to 10-membered non-aromatic mono-, bi- or tricyclic carbocycle which may or may not be fused with a benzene ring;

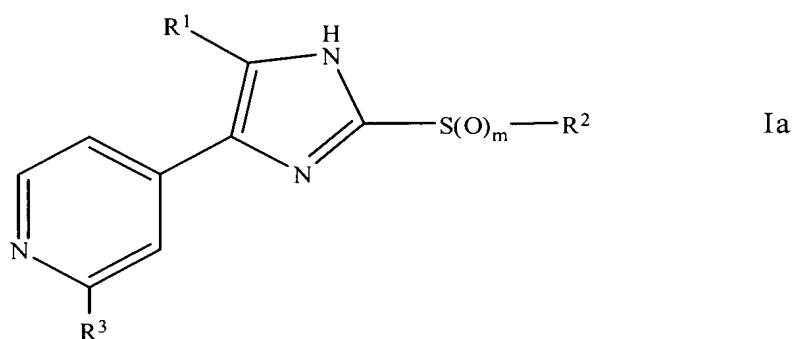
Ar is a 5- or 6-membered aromatic heterocycle which has 1, 2 or 3 heteroatoms independently of one another selected from the group consisting of O, S and N and which may or may not be fused with a benzene ring;

Het is a 5- or 6-membered non-aromatic heterocycle which has 1, 2 or 3 heteroatoms independently of one another selected from the group consisting of O, S and N which may or may not be fused with a benzene ring and which may or may not be bridged bicyclically or tricyclically;

m is 0, 1 or 2;

or a tautomer, an optical isomer or a physiologically acceptable salt thereof.

Claim 26 (Previously Presented): The compound as claimed in claim 25, which has formula Ia:



Claim 27 (Previously Presented): The compound as claimed in claim 25, wherein  $\text{R}^{10}$  is A-B and B is selected from the group consisting of  $\text{OC}_1\text{-C}_6\text{-alkyl}$  and  $\text{OH}$ .

Claim 28 (Previously Presented): The compound as claimed in claim 25, wherein  $R^3$  is  $NR^7COR^{10}$ , and  $R^{10}$  is selected from the group consisting of -O-C<sub>1</sub>-C<sub>4</sub>-alkylphenyl, phenyl and C<sub>2</sub>-C<sub>6</sub>-alkenyl which is substituted by phenyl.

Claim 29 (Previously Presented): The compound as claimed in claim 25, wherein A is C<sub>1</sub>-C<sub>2</sub>-alkylene.

Claim 30 (Previously Presented): The compound as claimed in claim 25, wherein A is ethylidene.

Claim 31 (Previously Presented): The compound as claimed in claim 25, wherein  $R^5$  and  $R^6$  are H.

Claim 32 (Previously Presented): The compound as claimed in claim 25, wherein  $R^1$  is halogen-substituted phenyl or CF<sub>3</sub>-substituted phenyl.

Claim 33 (Previously Presented): A pharmaceutical composition, comprising at least one compound as claimed in claim 25, and one or more pharmaceutically acceptable carriers and/or additives.

Claim 34 (Previously Presented): A method for treating inflammatory disorders in which TNF- $\alpha$  and IL- $\beta$  are involved which comprises administering to a person in need of such a treatment an amount of a compound as claimed in claim 25 sufficient to have anti-inflammatory action.

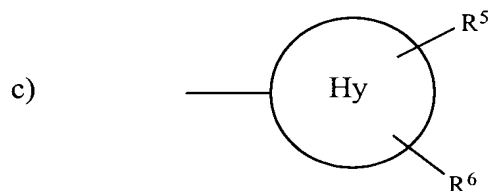
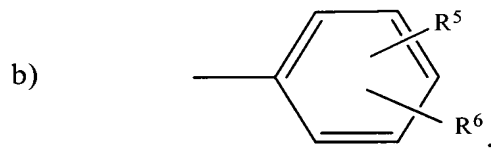
Claim 35 (Previously Presented): The compound as claimed in claim 25, which is {4-[5-(4-fluorophenyl)-2-methylsulfanyl-1H-imidazol-4-yl]-pyridin-2-yl}-(tetrahydropyran-4-yl)amine.

Claim 36 (Previously Presented): The method according to claim 24, wherein the inflammatory disorder is rheumatoid arthritis.

Claim 37 (Previously Presented): The method according to claim 34, wherein the inflammatory disorder is rheumatoid arthritis.

Claim 38 (Previously Presented): The compound as claimed in claim 25, wherein  $R^{10}$  has one of the meanings below:

a) A — B,



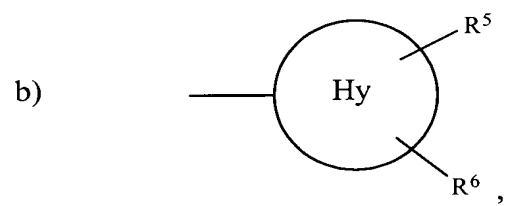
f)  $C_1$ - $C_6$ -alkyl which is substituted by 2 phenyl groups, or

g) trifluoromethyl;

and when  $R^{10}$  is A-B, B is selected from the group consisting of

a) H,





e) OC<sub>1</sub>-C<sub>6</sub>-alkyl, and

f) OH.